Wireless follow focus controller

USER MANUAL

Model:CG-FC821,CG-FC831

Brand:CINEGEARS

Contents

The Wireless follow focus controller is a wireless lens control kit for driving your lens rings (focus, iris, and zoom.) The W ireless follow controller has been redesigned to be more ergonomic than ever before. With up to 20 hours of continuous shooting per battery charge, control your lens focus, iris, or zoom with precision from up to 200 meters away with our Wireless follow focus controller. Our controllers work with jib, Steadicam, MoVI, and Gamble stabilizer shots, allowing you to perform with precision without sacrificing the mobility of your cameras or the integrity of the shot. The larger focus wheel feels more fluid, precise, and ergonomic, and the mounting harness allows you to use it like a finger wheel. Also included are two thick magnetic marking discs and a redesigned Lemo cable, with a right-angle connector that helps keep your wiring clean.

■ **Controller**
The controls have been designed for ease of use: They allow for preset memory points, where you can save up to four, as well as two lock points that will cause the controller to vibrate as you approach them. Choose from 16 different speed levels to control the transition speed of the presets, and 4 different damping levels from ultraresponsive to ultra smooth. The controller has an accuracy circuit built into it to ensure the lens stop precisely where you want it to, even after repeated use.

■ **Synchronization**
Turn on the remote control power switch and plug in the motor. Once both are on hold (SET) + (POWER) for 3 seconds. The motor light will stop blinking, and the gear will shudder. This means that the controller and motor have been successfully synchronized. (Note: This process is usually done before leaving the factory.)

■ **Automatic Calibration**
1) Before installing the drive onto the lens, please make sure the wireless remote controller and motor are powered on and connected. DO NOT turn the wireless remote control dial, put the drive gear close to the lens ring and tighten the screws.The controller can automatically locate the start and end points of any lens. To calibrate your lens, hold the (SET) + (A) button on the remote controller for 3 seconds.

■ **Manual Calibration**
Rotate the focus ring clockwise to the end; hold (SET) + (REC) + (POWER) buttons together for 3 seconds. Rotate to the opposite end and press the three buttons again

■ **LED Marker Light**
Press (POWER) quickly to toggle marker light ON or OFF.

■ **Screen Brightness**
To change screen brightness, press and hold (SPEED) + (A), (B), (C), or (D), (SPEED) + (A) being the lowest brightness level, (SPEED) + (D) being the highest brightness level.

Using the Controller

■ **Remote Record Trigger**
Press (REC) on your controller to toggle Recording mode ON or OFF.

■ **Setting Up Vibration and Lock Points**
Press and hold (REC) to toggle turn on/off the vibration setting. Press and hold
(REC) + (A) to set controller to "M-Normal." Turn controller to desired
start point and press and hold (SET) + (C) to set lock point 1.
Turn controller to desired end point and press and hold (SET) + (D)
to set lock point 2.
To clear all lock points, press and hold (REC) + (D).

■ **Setting Presets**
Go to the focus point of your choosing, press and hold (A) button until it flashes,
your point is now set. Repeat with (B) (C) and (D) for multiple points. Press the
same preset button to exit the preset mode.

■ **Changing Motor Speed**
Press (SPEED) on the controller to adjust the motor speed.

■ **Changing Damping Setting**
Press and hold (POWER) + (REC) + (A) to set motor to damping 1 (Responsive +).
Press and hold (POWER) + (REC) + (B) to set motor to damping 2 (Responsive).
Press and hold (POWER) + (REC) + (C) to set motor to damping 3 (Smooth).
Press and hold (POWER) + (REC) + (D) to set motor to damping 4 (Smooth +).

Setting Controller Modes

■ M-Normal Mode

Press and hold (REC) + (A) to switch to M-Normal mode. In
M-Normal mode, user can set vibration points, and move controller beyond set
lock points.

■ M-Lock Mode

Press and hold (REC) + (B) to switch to M-Lock mode. In M-Lock mode, user
cannot move past set lock points.

■ M-Zoom Mode

Press and hold (REC) + (C) to switch to M-Zoom mode. In M-Zoom
mode, user cannot move past set lock points. In M-Zoom, controller moves more
slowly between lock points for finer control.

■ Manual Mode

Specifically used with infinity lenses that have no start or end point. Press
(SET) + (B) for 3 seconds until you see the (A), (B), (C), (D) lights go on. Then use
(C) or (D) button to control the lens. (Hold down the C or D key for more
than 3 seconds to rotate continuously.) Once it rotates to the proper
position, click the (A) button to set a starting point, (B) button to set the end point.
After points are set, the (A), (B), (C), and (D) lights turn off to indicate the initialization
has been completed.

Disclaimers

Terms and Conditions

Congratulations on purchasing your new CINEGEARS product. Please read this manual carefully before using the product. By using this product, you hereby agree to this disclaimer and signify that you have read it in full. You agree that you are responsible for your own conduct and any content created while using CINEGEARS products, and for any consequence thereof. You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and any applicable polices and guidelines.

By reading this disclaimer, you also agree:

1. Any part of this disclaimer is subject to change without prior notice. Refer to WWW.CINEGEARS.COM for the latest version.

2. CINEGEARS reserves the right of final interpretation of this disclaimer.

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About Cine Gears Inc.

Cine Gears Inc. is an industry leading company that designs and manufactures digital wireless follow focus systems, lens control systems, camera motion control systems and accessories for film and broadcast industry. As a big believer in the power of creativity and ideas, we designed the Pegasus cablecam, the wireless motor drive that integrated a built in wireless transmitter, and the wireless finger wheel controller. The Cine Gears Inc. wireless lens control system has the international CE certification on all its equipment. Cine Gears lens control system can achieve the finest minutia of focus pulling, with extreme accuracy and control. This very same technology is what drives the Pegasus for ultra-smooth, highly controlled, programmed movement.

We have been working from Vancouver, B.C. for five years and our equipment has been used on hundreds of movies. Filmmakers of all experience levels will benefit greatly from a simple, professional, and well rounded follow focus system. The Single Axis and Multi Axis models provide greater ease, with lesscrew, and less wires. You can achieve professional film quality scenes on a shoestring budget. Camera operators, assistant camera operators, and jib operators can use the wireless follow focus to attain that perfect shot.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.